

LEPTOSOMATIDAE IN AVES AND NEMATODA: REQUEST TO
PLACE LEPTOSOMIDAE BLYTH, 1838 AND LEPTOSOMATIDAE
FILIPJEV, 1916 ON THE OFFICIAL LIST OF FAMILY-GROUP
NAMES IN ZOOLOGY. Z.N.(S.) 1975

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The family-group name LEPTOSOMATIDAE is currently utilized in both AVES (Coraciiformes) and NEMATODA (Enoplida). The name is based on different type-genera and the International Commission is requested to place the valid names on the Official List of Family-Group Names in Zoology. The details of the case are as follows.

USE OF LEPTOSOMATIDAE IN AVES

The first person who created a subfamily-name LEPTOSOMINAE on the basis of the generic name *Leptosomus* Vieillot, 1816 (Aves) was Blyth, 1838, in *The Magazine of Natural History, and Journal of Zoology, Botany, Mineralogy, Geology, and Meteorology*, 2nd series, volume 2, p. 421.

Ch. L. Bonaparte, 1850, *Conspectus generum avium*, raised the name to the full family rank—LEPTOSOMIDAE—on page 96 of volume I, listed as No. 18 and had repeated the subfamily name as No. 36. From page 97 onwards Bonaparte began to date every issue of eight pages and has dated page 97 with 1849. Therefore, the date of publication of LEPTOSOMIDAE may be either 1849 or 1850. There does not seem to be any evidence that the parts were issued before 1st June 1850 and therefore the year of publication may be considered as 1850.

Bonaparte listed the genus *Leptosoma* Vieillot (sine anno) under the family name and at the same time enumerated synonyms; one of which was *Leptosomus* Vieillot. Among the synonyms of specific names was *discolor* Hermann, 1783. Bonaparte's use of *Leptosoma* may be considered either as an unjustified emendation or an incorrect spelling as Vieillot created the name *Leptosomus* (1816, *Analyse d'une nouvelle ornithologie élémentaire* Paris: 28). Vieillot gave no specific name but gave a brief description of the vouroudriou of Madagascar. (Hermann refers in 1783, *Tabula Affinitatum Animalium olim academico specimen edita*: 186, to Buffon, *Histoire naturelle des oiseaux*, vol. 6, p. 395, where he too mentions the vouroudriou).

The generic name has been spelled both as *Leptosoma* and *Leptosomus* by subsequent authors. J. Cabanis and F. Heine, 1862, *Museum Heineanum*, part 4, p. 57 first used the name *Leptosomus* with the type-species *discolor*. P. L. Sclater in an article, 1865, *Proc. Zool. Soc.* 1865 : 682, called "On the structure of *Leptosoma discolor*", used the name *Leptosoma* Vieillot, although he confirmed that Vieillot in two of his works wrote *Leptosomus*. He also recognised Bonaparte's family Leptosomidae.

O. Des Murs, 1860, *Traité général d'ologie ornithologique*: 530 used LEPTOSOMATINAE as family of the tribe CUCULIDAE (sic).

G. R. Gray (1869, *Handlist of genera and species of Birds*: 77) used LEPTOSOMINAE Bonaparte, 1850, as subfamily of the CORACIIDAE, with four genera, among those *Leptosomus* Vieillot, 1816 (with synonyms, *Leptosoma* Bonaparte, 1849, *Courols* Cuvier, 1817 and *Crombus* Reich., 1849) and the specific name *discolor* Herm. In 1886, *Encyclopaedia Britannica*, 9th edition, vol. 20: 627, in an article, entitled "Roller", the names *Leptosomus discolor* and LEPTOSOMATIDAE were used.

R. Bowdler Sharpe (1892, *Catalogue of the Birds in the British Museum*, vol. 17: 1) has used the name LEPTOSOMATIDAE, with the genus *Leptosoma* Vieillot, *Analyse*, p. 28 (1816) and *Crombus* Reichenb., 1852, (*Handb. Merop.* p. 51). He also quoted *Leptosoma discolor* Scl. P.Z.S., 1865, p. 682.

In 1896, A. Newton in "A dictionary of Birds" mentioned the names LEPTOSOMIDAE, p. 374, and LEPTOSOMATIDAE, p. 638 and 794; *Leptosomus* pp. 654, 794 and 1058 and *Leptosoma* pp. 739, 972 and 1072 (Index).

J. L. Peters (1945, *Checklist of birds of the world*, vol. 5: 293) has used the family-name LEPTOSOMATIDAE with the genus *Leptosomus* Vieillot, 1816 and specific name *discolor* Hermann, 1783. The same names were also utilized by A. Landsborough Thomson, 1964, *A new dictionary of birds*: 150, 171 and 433.

A. Wetmore (1930, *A systematic classification for the birds of the world* and 1960, *A classification for the birds of the world*) has used LEPTOSOMATIDAE and *Leptosoma*. He objects to the proposal of Mayr and Amadon (1951, *A classification of recent birds*, *Am. Mus. Novit.*, No. 1496) to include the rollers in one family, the CORACIIDAE, with three subfamilies, one of them being LEPTOSOMATINAE.

USE OF LEPTOSOMATIDAE IN NEMATODA

In 1916, I. N. Filipjev (*Ezheg. zool. Mus.* 21: 59-116) created the subfamily-name LEPTOSOMATINI in which he included the following genera: *Leptosomatus* Bastian, 1865; *Cylicolaimus* de Man, 1889; *Deontosoma* Filipjev, 1916; *Thoracostoma* Marion, 1870 and *Phanoderma* Bastian, 1865. The name was raised to family status by De Conninck and Shuurmans Stekhoven (1933, *The freeliving marine nemas of the Belgian Coast. Mém. Mus. r. Hist. nat. Belg.* 58: 3-163).

Therefore in the interests of stability and uniformity in nomenclature, the International Commission on Zoological Nomenclature, is asked:

- (1) to place the following names on the Official List of Generic Names in Zoology:

- (a) *Leptosomus* Vieillot, 1816 (gender: masculine), type-species by selection by J. Cabanis and F. Heine, 1862 (*Mus. Hein.* 4: 57): *Cuculus discolor* Hermann, 1783,
- (b) *Leptosomatium* Bastian, 1865 (*Trans. Linn. Soc.* 25: 144) (gender: neuter), type-species by original designation, *Leptosomatium elongatum* Bastian, 1865;

- (2) to place the following names on the Official List of Specific Names in Zoology:

- (a) *discolor* Hermann, 1783, as published in the binomen *Cuculus discolor* (type-species of *Leptosomus* Vieillot, 1816),

- (b) *elongatum* Bastian, 1865, as published in the binomen *Leptosomatum elongatum* (type-species of *Leptosomatum* Bastian, 1865);
- (3) to place the following names on the Official List of Family-Group Names in Zoology:
 - (a) LEPTOSOMIDAE Blyth, 1838, type-genus *Leptosomus* Vieillot, 1816,
 - (b) LEPTOSOMATIDAE Filipjev, 1916, type-genus *Leptosomatum* Bastian, 1865;
- (4) to place *Leptosoma* Bonaparte, 1849 on the Official Index of Rejected and Invalid Generic Names in Zoology, being an incorrect subsequent spelling or unjustified emendation of *Leptosomus* Vieillot, 1816;
- (5) to place the following name on the Official Index of Rejected and Invalid Family-Group Names in Zoology:
 - (a) LEPTOSOMATINAE O. Des Murs, 1860, being an incorrect subsequent spelling or an unjustified emendation of LEPTOSOMINAE Blyth, 1838;